



FIG. 1

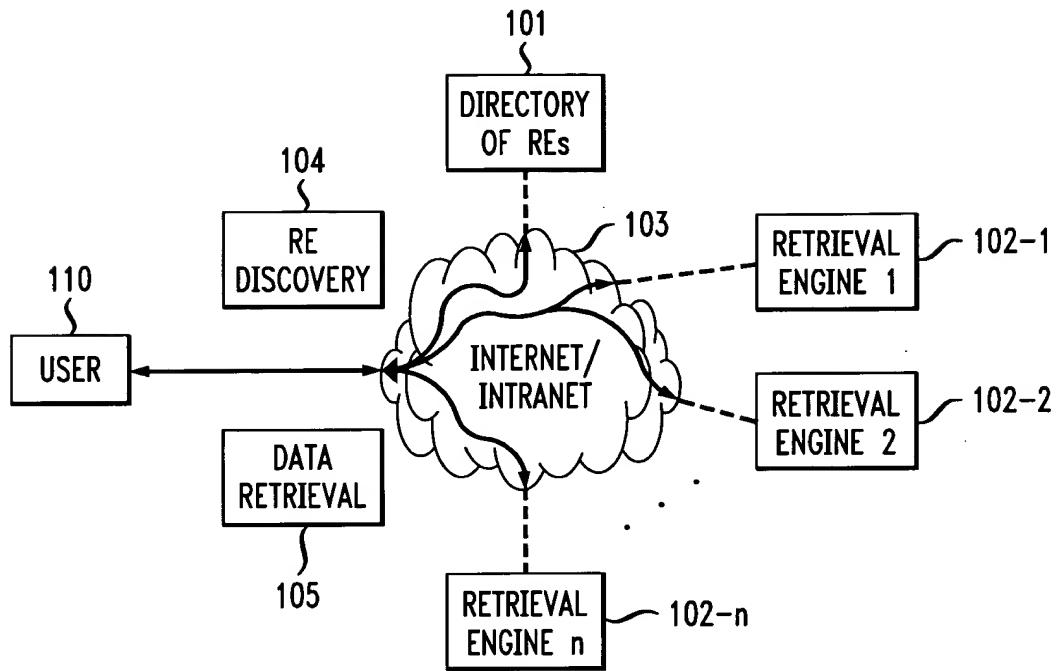


FIG. 2

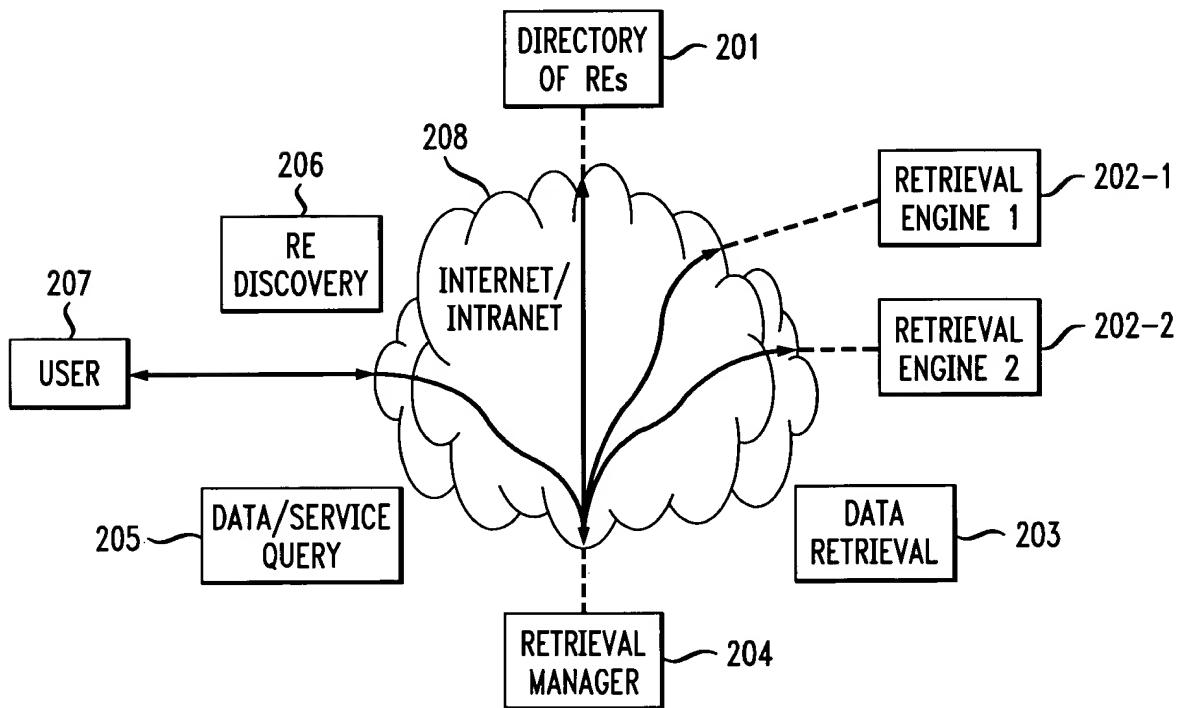
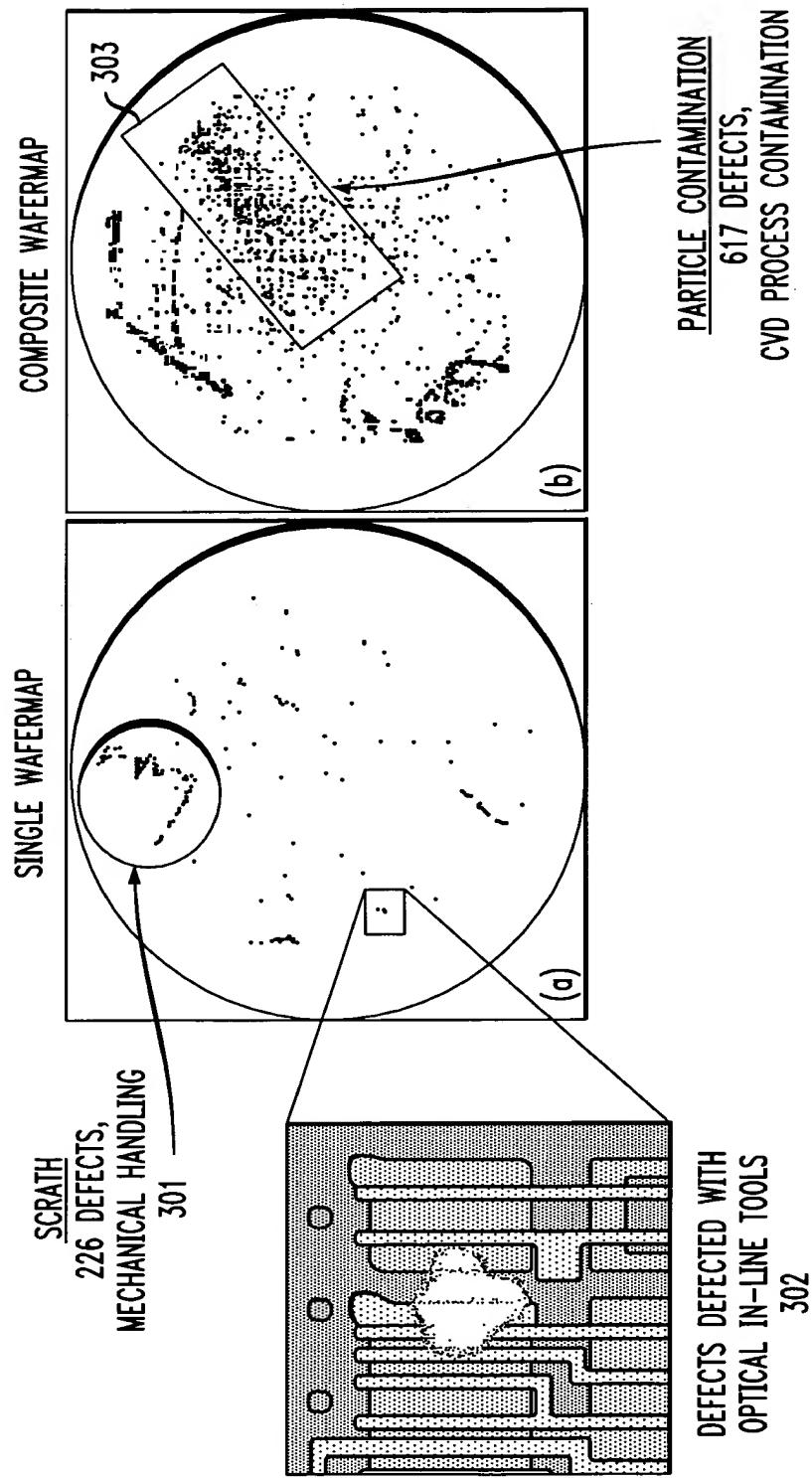




FIG. 3





3/12
Y0R9-2000-0205-US1

FIG. 4

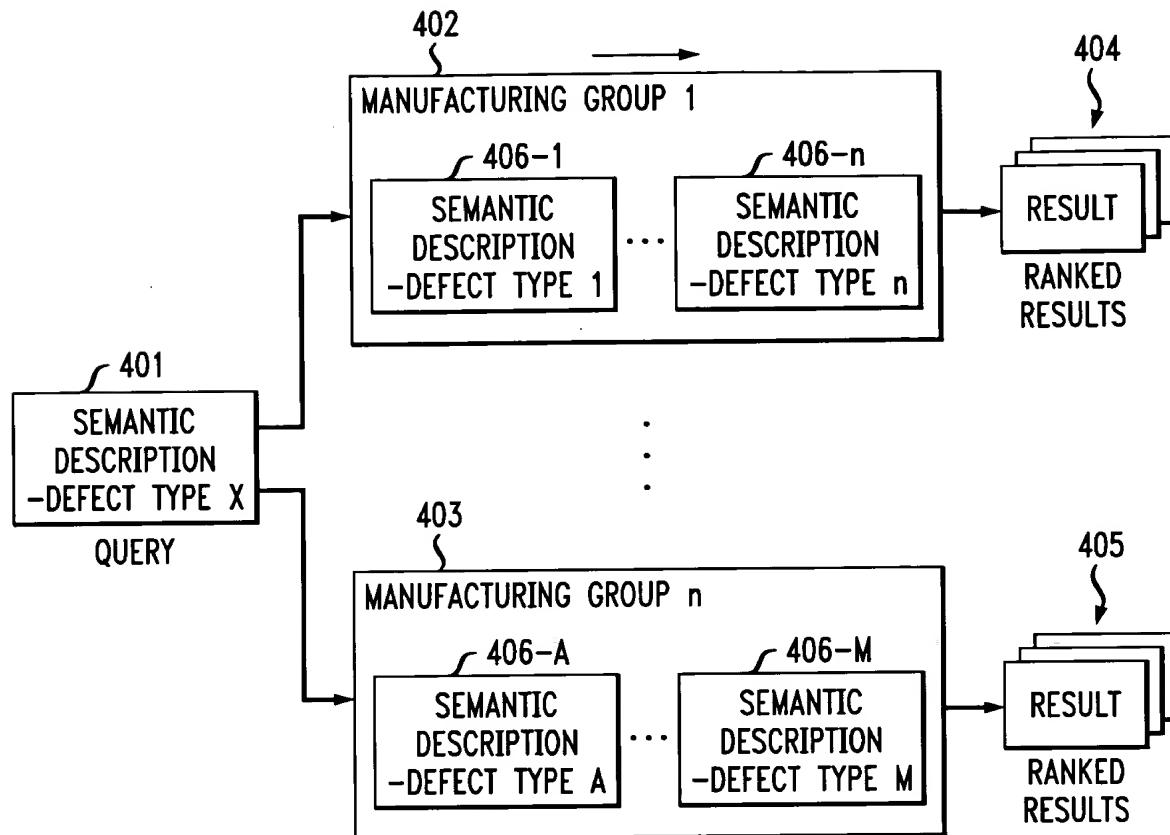


FIG. 5

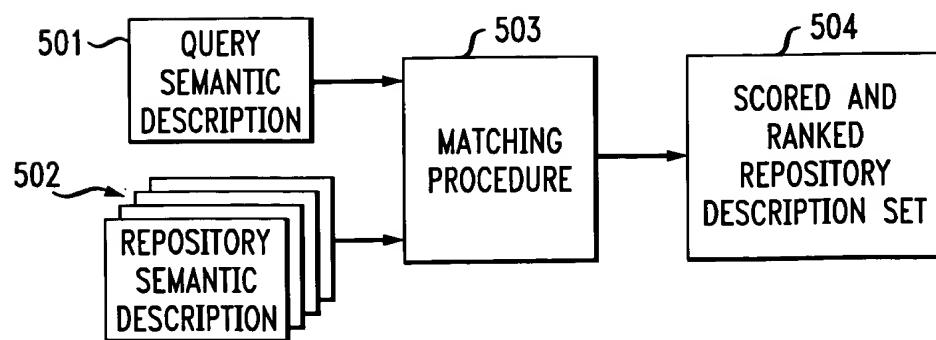




FIG. 6

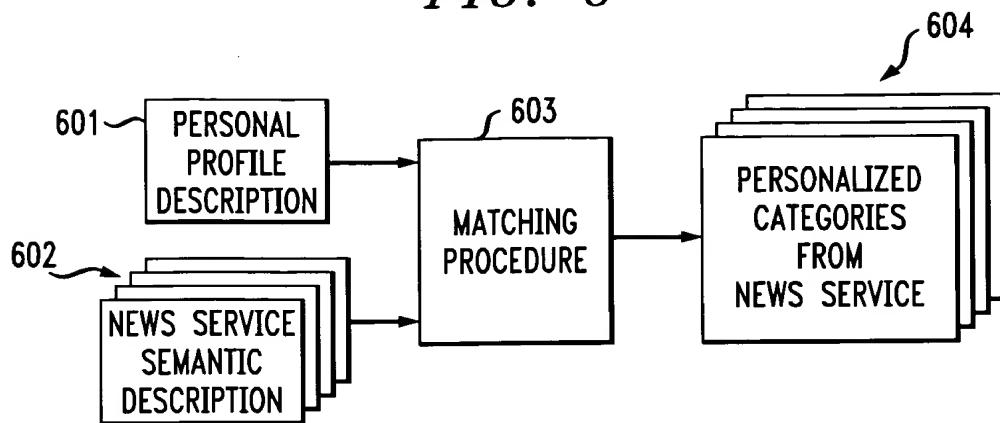


FIG. 7

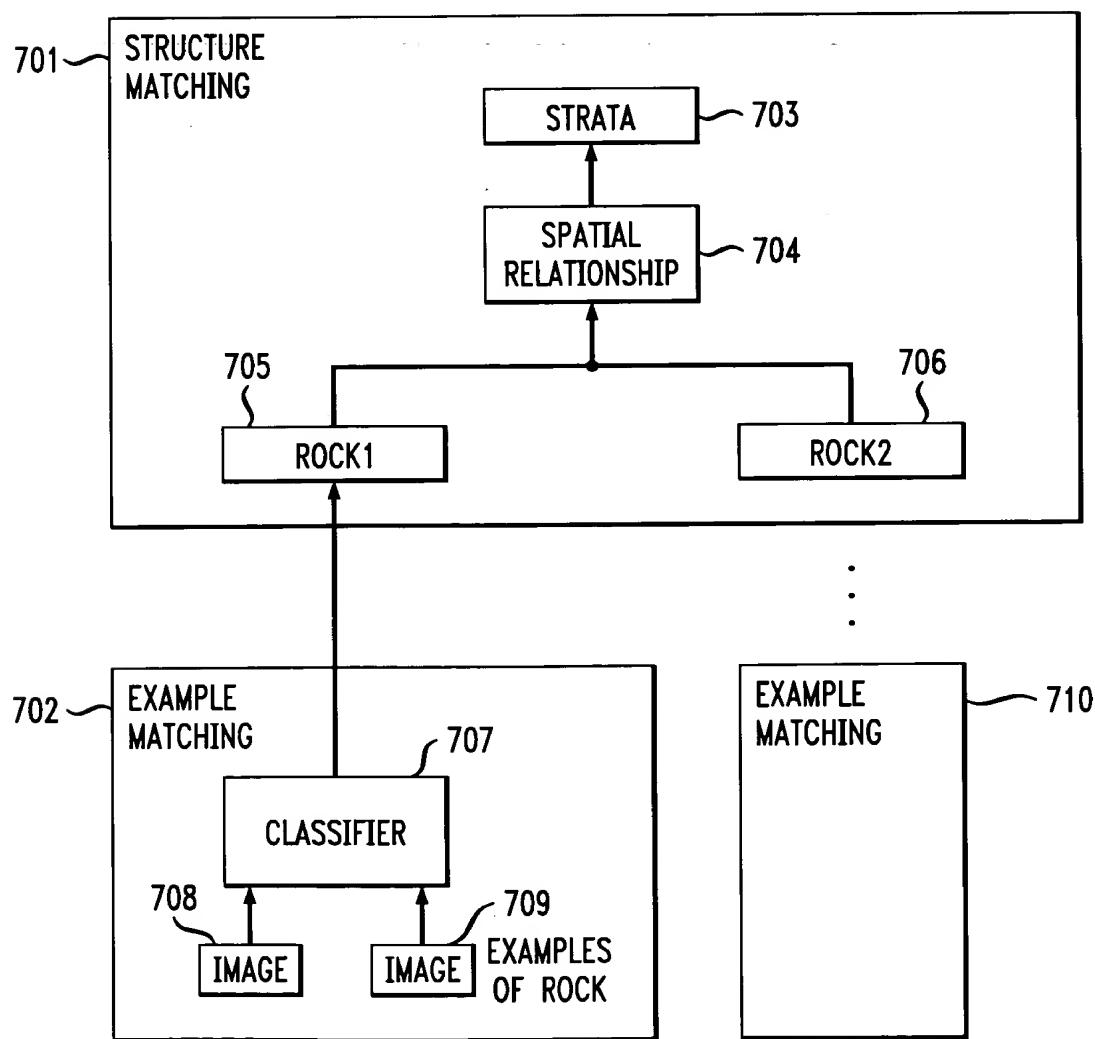




FIG. 8

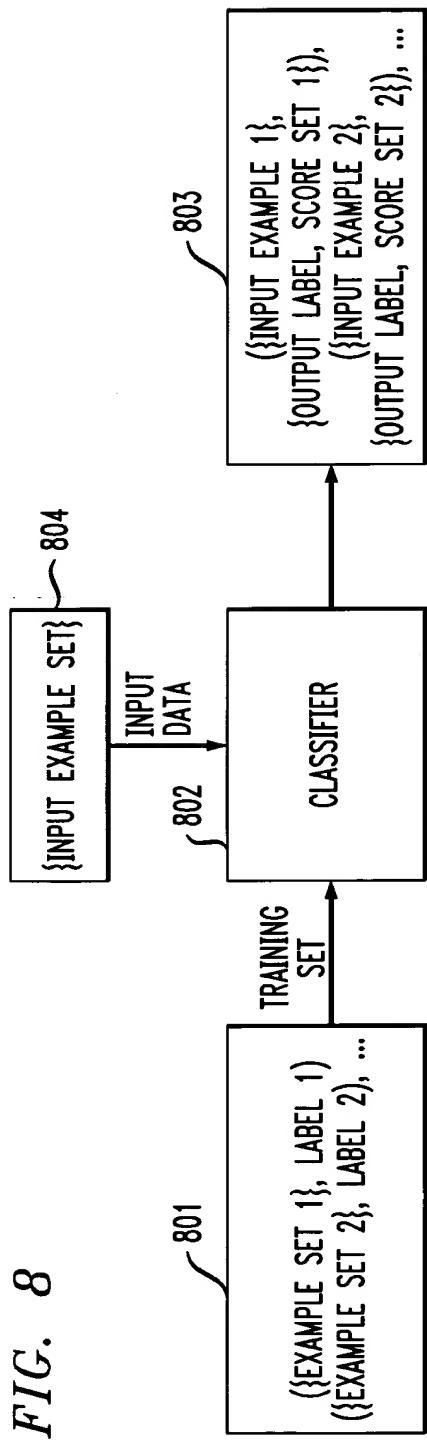
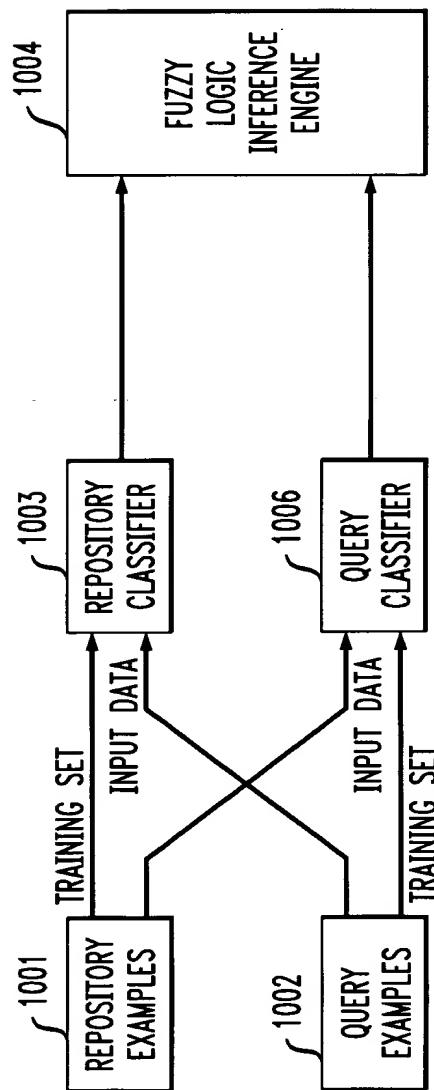


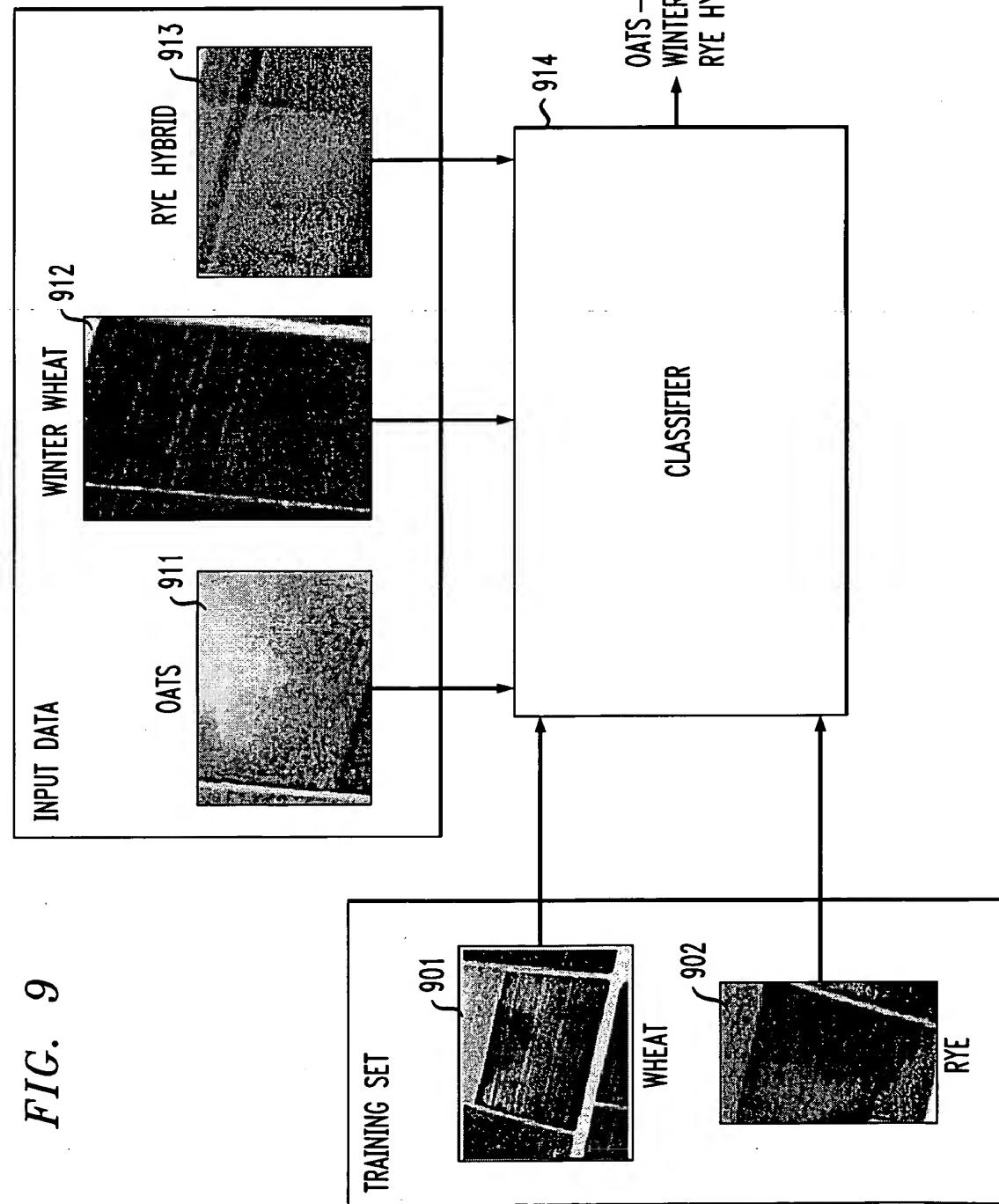
FIG. 10





6/12
Y0R9-2000-0205-US1

FIG. 9





7/12
YOR9-2000-0205-US1

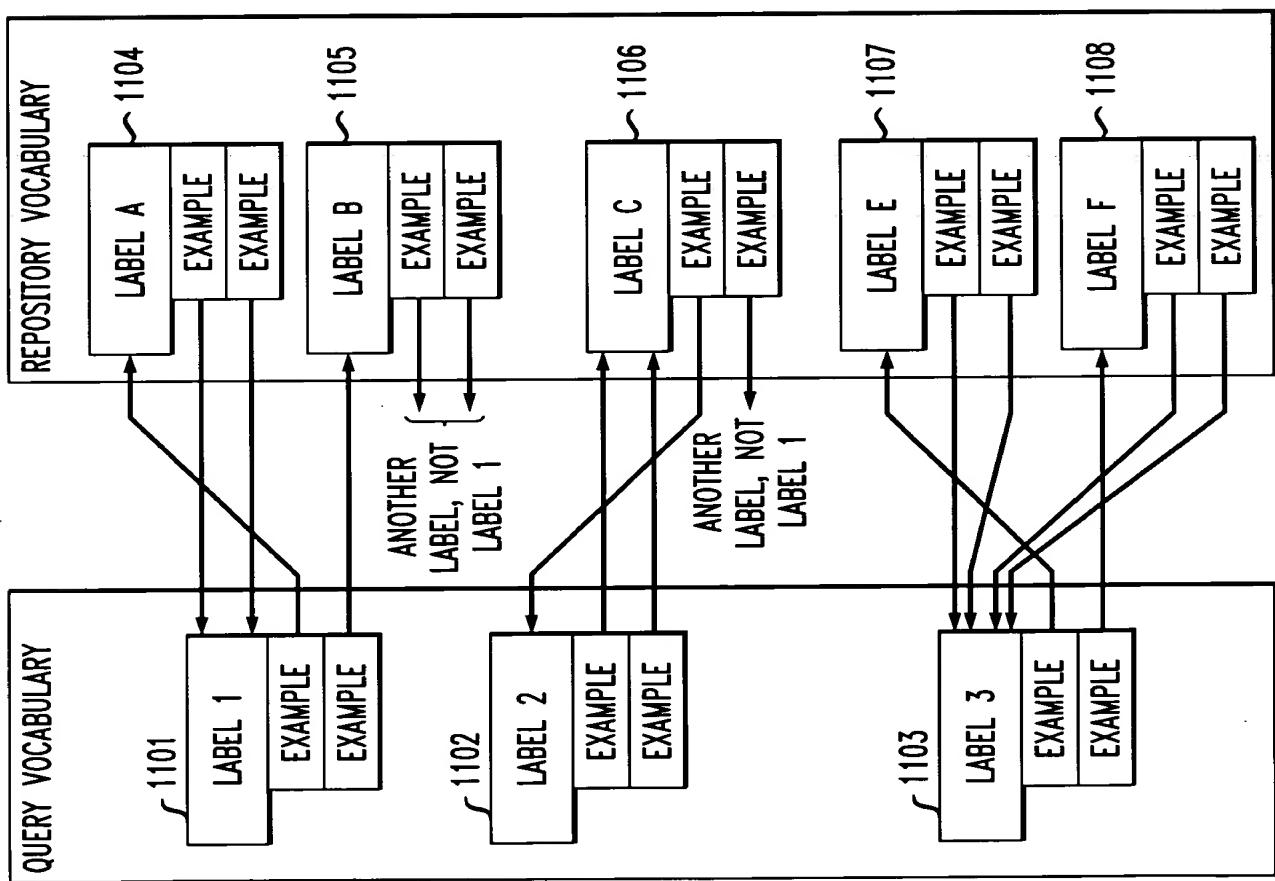
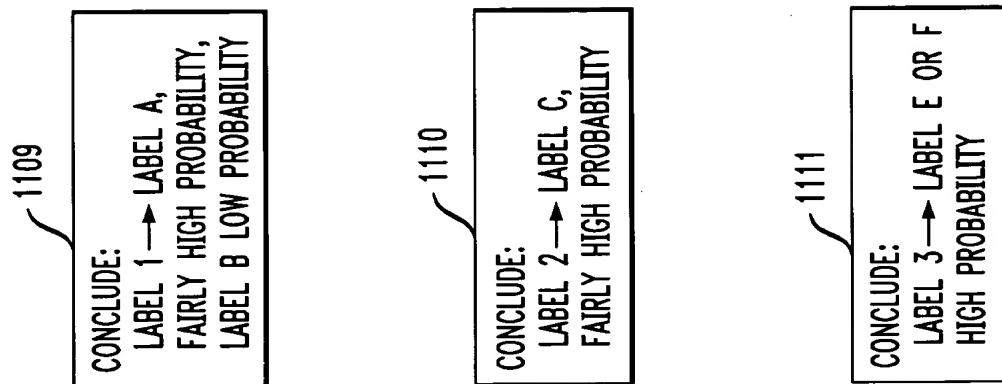


FIG. 11



8/12
Y0R9-2000-0205-US1

FIG. 12

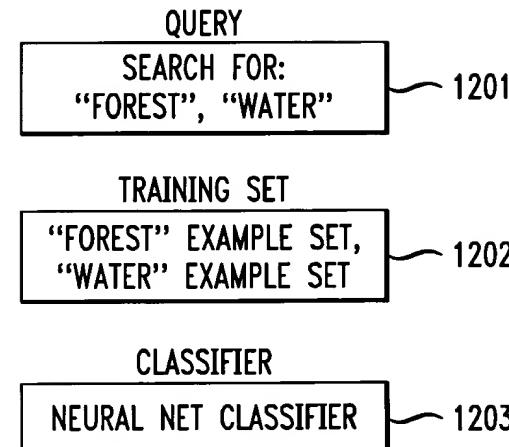
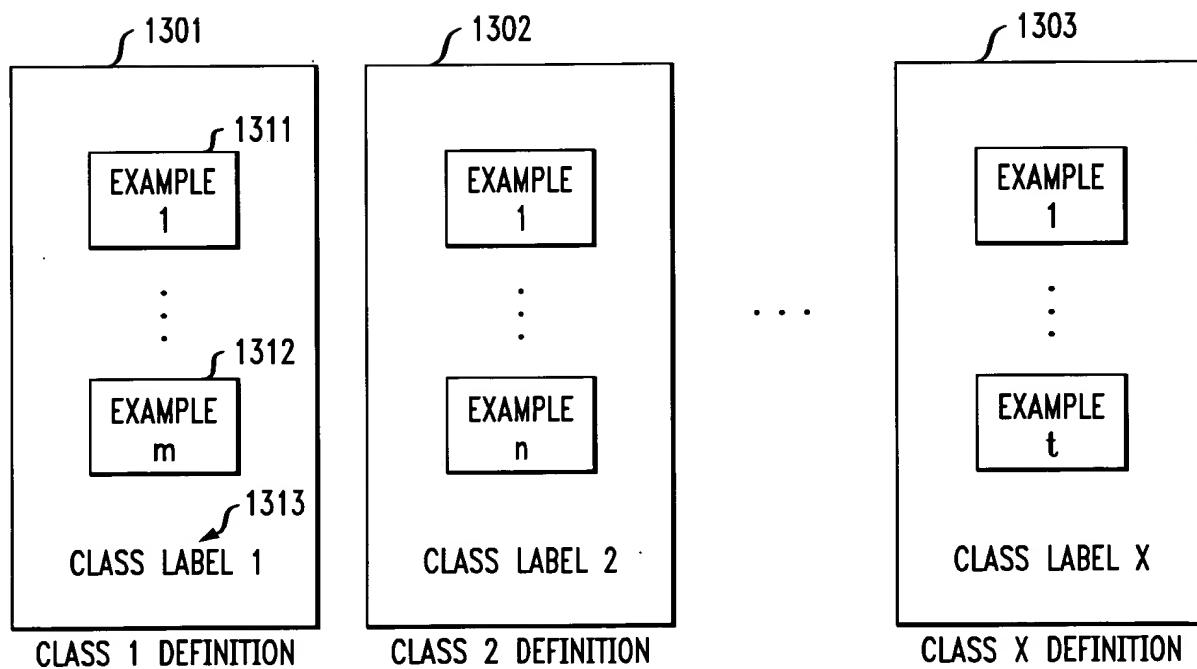


FIG. 13





9/12
Y0R9-2000-0205-US1

FIG. 14

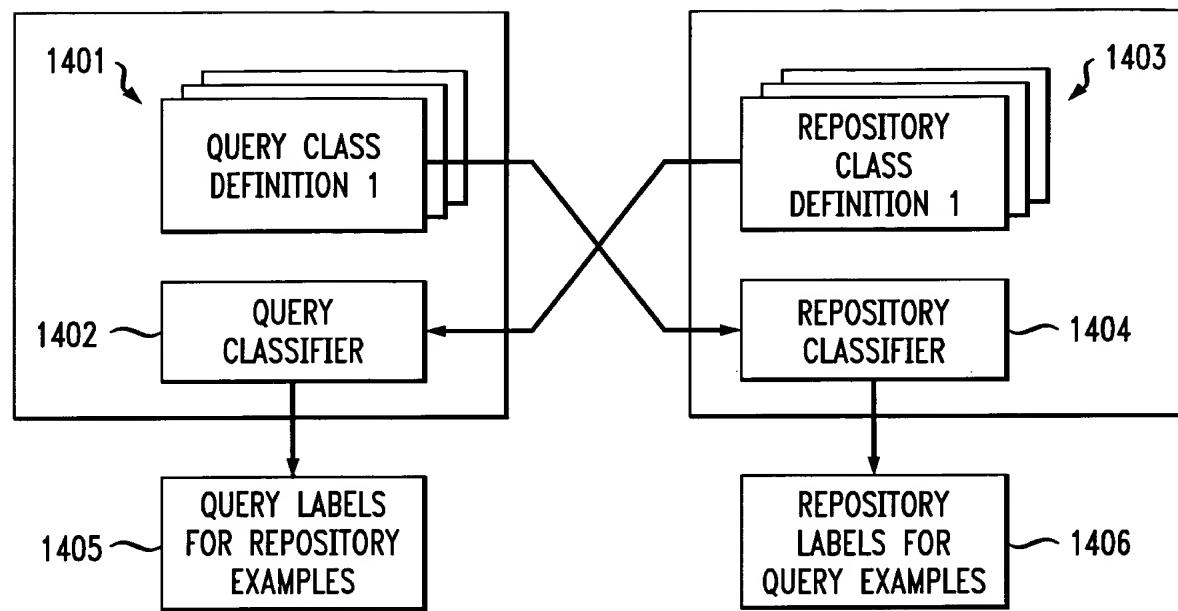
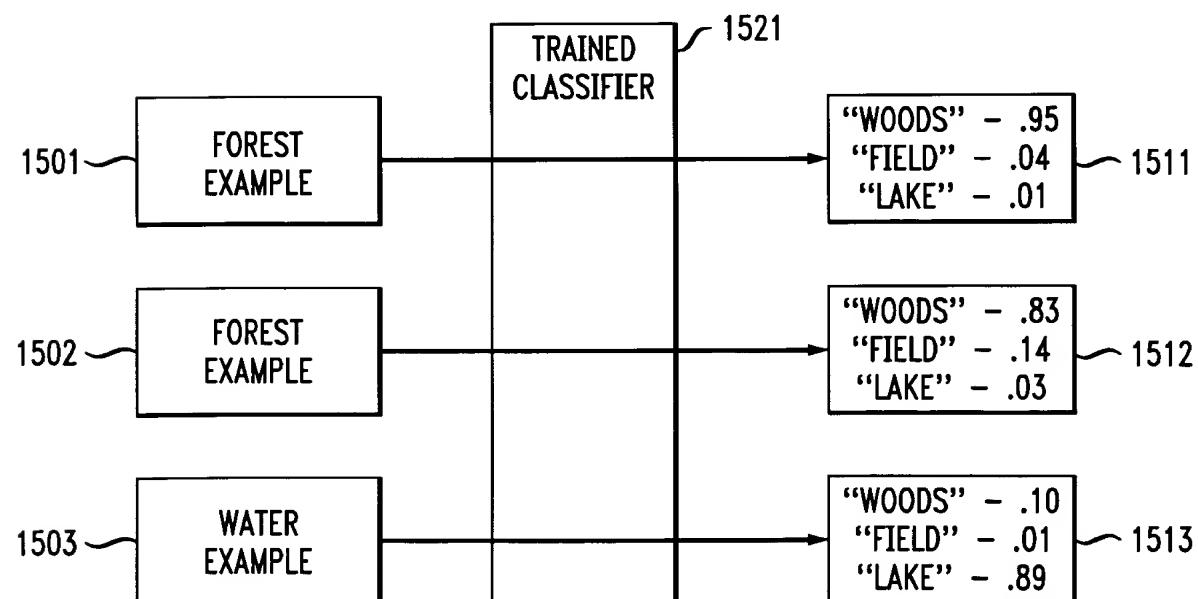


FIG. 15





10/12
Y0R9-2000-0205-US1

FIG. 16

(A)
QUERY EXAMPLES CROSS-CLASSIFIED
USING REPOSITORY CLASSIFIER

INPUT LABEL	OUTPUT LABEL	SCORE
FOREST	WOODS	.95
FOREST	FIELD	.04
	LAKE	.01
FOREST	WOODS	.83
FOREST	FIELD	.14
	LAKE	.03
FOREST	WOODS	.10
WATER	FIELD	.01
	LAKE	.89

(B)
REPOSITORY EXAMPLES CROSS-CLASSIFIED
USING QUERY CLASSIFIER

INPUT LABEL	OUTPUT LABEL	SCORE
WOODS	FOREST	.97
	WATER	.03
WOODS	FOREST	.89
	WATER	.11
FIELD	FOREST	.67
	WATER	.33
LAKE	FOREST	.05
	WATER	.95



FIG. 17

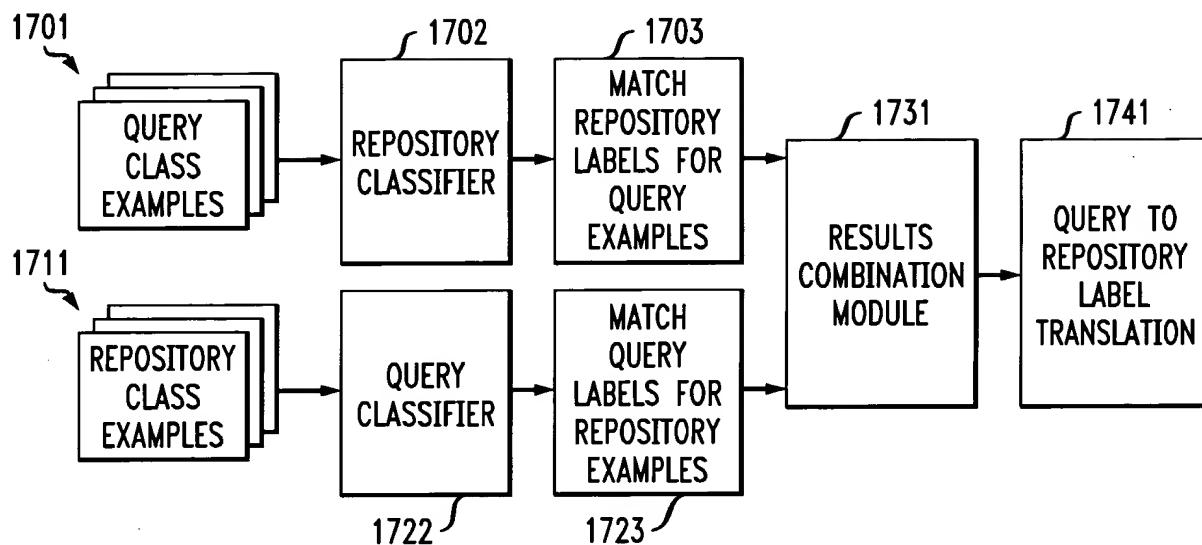
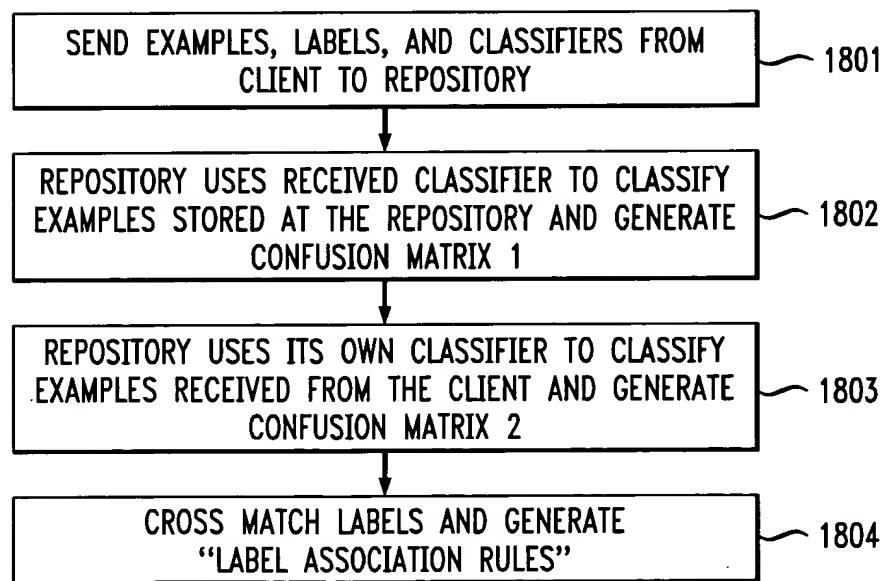


FIG. 18





12/12
Y09-2000-0205-US1

FIG. 19

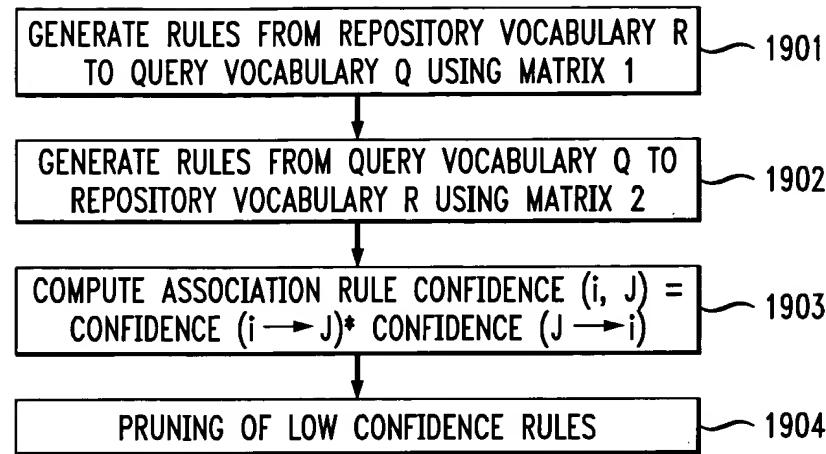


FIG. 20

MATRIX 1 ($R \rightarrow Q$)

	A	B
1	0.75	0.15
2	0.35	0.25
3	0.25	0.65

MATRIX 2 ($Q \rightarrow R$)

	1	2	3
A	0.65	0.15	0.10
B	0.15	0.25	0.6

	(1,A)	0.75*0.65	0.4875	
	(1,B)	0.15*0.15	0.0225	
	(2,A)	0.35*0.15	0.0525	
	(2,B)	0.25*0.25	0.0625	
	(3,A)	0.25*0.1	0.025	
	(3,B)	0.65*0.6	0.39	

FIG. 21

